Appln. No. 09/890,711 Amd. dated March 27, 2007 Reply to Office Action of December 28, 2006

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-9. (Canceled)

medium comprising an organic dye compound, the improvement wherein the organic dye compound is a styryl dye represented by Formula 1 and capable of recording which substantially absorbs a visible light with a wavelength of around 400 nm, said optical recording medium being constructed so as to record information by using a laser beam with a wavelength of 450 nm or shorter, said optical recording medium having at a recording level capacity of exceeding 4.7 GB (giga bytes) per one side by forming pits having a pit width of below 0.4 \(\mu\)m/pit and a track pit of below 0.74 \(\mu\)m when formed into a disk, 12 cm in diameter, said styryl dye substantially absorbing a visible light with a wavelength of around 400 nm:

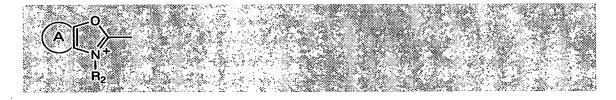
Formula 1:

$$(\Phi_1 - C = CH - \Phi_2)X\overline{n}$$

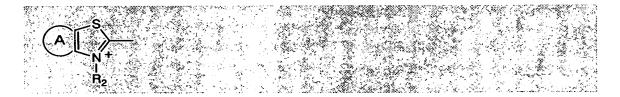
wherein in Formula 1, Ø1 represents a heterocycle represented by any one of Formulae 2 to 8; Ø2 represents an aromatic ring which has a substituent selected from the group consisting of halogen, cyano, nitro, and carboxy, or heterocycle having one or more nitrogen atoms; R₁ represents a hydrogen atom, an aliphatic hydrocarbon group, ether group, acyl group, halogen, or cyano group, and the aliphatic hydrocarbon group, ether group, or acyl group may have a substituent; X represents as

a counter ion an azo organic metal complex ion; and "n" is a number of X to balance the electric charge in the styryl dye:

Formula 2:



Formula 3:

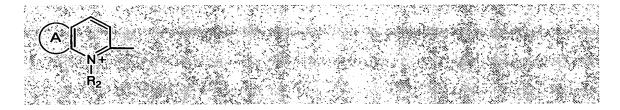


Formula 4:

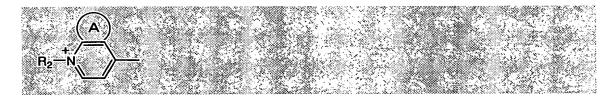


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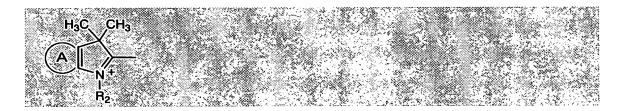
Formula 5:



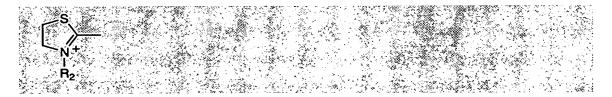
Formula 6:



Formula 7:



Formula 8:



throughout Formulae 2 to 7, A represents an optionally substituted monocyclic- or polycyclic-aromatic ring or heterocycle; when A is not present in Formulae 2 to 7, one or more substituents similar to those that are bound to A may be in the position where A is located; throughout Formulae 2 to 8, R_2

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represents an optionally substituted aliphatic hydrocarbon group and R_3 represents a hydrogen or an optionally substituted aliphatic hydrocarbon group which is identical to or different from R_2 .

11. (Previously Presented) The optical recording medium of claim 10, which further contains one or more other organic dye compounds sensitive to a visible light.

Claims 12-17. (Canceled)

18. (Previously Presented) The optical recording medium of claim 11, which further contains one or more appropriate light-resistant improvers in a recording layer.

Claims 19-20. (Canceled)